

CLAIMS

1. In combination:

a computer disc drive carrier enclosing a computer disc drive, said computer disc drive having a drive interface connector;

*Schenk  
A1*

a computer storage chassis having front, rear and side walls, an opening through said front wall for removably receiving said computer disc drive carrier, and a plurality of electrical connectors at the rear wall by which the computer disc drive enclosed by said computer disc drive carrier is connected to a host computer; and

a replaceable drive adapter board detachably connected to said computer disc drive carrier and having electrical connector means by which to connect the drive interface connector of said computer disc drive to the plurality of electrical connectors at the rear wall of said computer storage chassis to enable said computer disc drive to communicate with the host computer, said replaceable drive adapter board being removed from said computer disc drive carrier when said electrical connector means thereof are in need of replacement.

2. The combination recited in claim 1, wherein the electrical connector means of said replaceable drive adapter board include a complementary drive interface connector to be mated to the drive interface connector of said computer disc drive and a backplane interface connector to be mated to one of said plurality of electrical connectors at the rear wall of said computer storage chassis.

3. The combination recited in claim 2, wherein said replaceable drive adapter board has first an opposite faces, said complimentary drive interface connector being mounted on said first face and said backplane interface connector communicating with said complementary drive interface connector and being mounted on said opposite face.

Sub 24. The combination recited in claim 3, wherein said computer disc drive carrier has front, rear and side walls, said replaceable drive adapter board being detachably connected to the rear wall of said computer disc drive carrier so that said backplane interface connector on the opposite face of said replaceable drive adapter board is aligned with the one of said plurality of electrical connectors at the rear wall of said computer storage chassis.

4. 5. The combination recited in claim 4, wherein the backplane interface connector mounted on the opposite face of said replaceable drive adapter board is a male SCA backplane interface connector having an outwardly projecting terminal block.

6. The combination recited in claim 5, wherein the one of said plurality of electrical connectors at the rear wall of said computer storage chassis that is aligned with and mated to said male SCA backplane interface connector is a female SCA backplane interface connector having a cavity formed therein in which to removably receive the outwardly projecting terminal block of said male SCA backplane interface connector, said terminal block being pulled out of said cavity when said computer disc drive carrier is removed from said computer storage chassis.

6

7. The combination recited in claim 6, wherein said female SCA backplane interface connector is mounted on a backplane of said computer storage chassis, said backplane affixed to the rear wall of said computer storage chassis.

7

8. A computer disc drive carrier adapted to be removably received within a computer storage chassis to which a backplane is affixed, said computer disc drive carrier comprising a computer disc drive to which an SCA drive interface connector is attached, a replaceable SCA drive adapter board including first and opposite faces, a complementary SCA drive interface connector mounted on said first face to be mated to the SCA drive interface connector of said computer disc drive, and an SCA backplane interface connector mounted on said opposite face to be interconnected with a host computer via the backplane of the computer storage chassis to enable the computer disc drive to communicate with the host computer, said replaceable SCA drive adapter board being removed from said computer disc drive carrier when said complementary SCA drive interface connector or said SCA backplane interface connector respectively mounted on said first and opposite faces thereof are in need of replacement.

5  
10